REC 16-431

NH Public Utilities Commission

NHPUC 11APR'16PM1:13

REC Aggregator Portal

New Users CLICK HERE to setup your account for this form. Creating an account enables you to partially complete the form and return later to finish it or to make changes after the form is submitted. Be sure to create your account BEFORE entering information into the form, or the information will be lost.

Existing Users CLICK HERE

Basic Information

Who is submitting this request?

Aggregator

Aggregator Batch Number

KE040716

Are you registered in NH

- (•) Yes
- ( ) No

Aggregator name

Knollwood Energy - 14625

NH Reg #

Aggregator Email

karenton@knollwoodenergy.com

Other Aggregator name

Other aggregator email address

Facility Name

Facility Owner Name

Donald Smith

Facility Owner email

smithtree@myfairpoint.net

Owner Phone

603-973-4441

Facility Address

5 Snow Street

Facility Town/City

Rochester

Facility State

NH

Facility Zip

03867

Is the facility address the same as the owner's mailing address

- (●) Yes
- ( ) No

Mailing Address

Mailing Town/City

Mailing State

Mailing Zip

Primary Contact

Karen Tenneson

Primary Contact

Facility Primary Contact

karenton@knollwoodenergy.com

Other Email Address

Facility Information

Class

II

Utility

Eversource

Other Utility Name

To obtain a GIS ID contact:

James Webb

408 517 2174

jwebb@apx.com

GIS ID (include "NON")

NON60646

Date of Initial Operation

11/16/2015

Facility Operator Name, if applicable

Panel Quantity

26

Panel Make

Solarworld

Panel Model

SW 285

Panel Rated Output

285

System capacity based on panels

7410

Inverter Quantity

1

Inverter Make

Solar Edge

Add'l Inverter Quantity

NA

Additional Inverter Make

None

Rated Output - Primary Inverter

285

Rated Output - Additional Inverter

System capacity based on single inverter make

285

System capacity based on two inverter types

System capacity in kW as stated on the interconnection agreement

8.35

Revenue Grade Meter Make

GE

Was this facility installed directly by the customer (no electrician involved)?

- ○ Yes
- ◉ No

Electrician Name & Number

Other

Other Electrician Name & Number

Mike McKay #9214M

Installation Company

Sun Dial Solar

Other Installation Company Name

Other Inst. Company Address

Other Inst. Company City

Other Inst. Company State

Other Inst. Company Zip

Independent Monitor Name & Company

Paul Button - Energy Audits Unlimited

Other Monitor Name and Company

Is the installer also the equipment supplier?

- (●) Yes
- ( ) No

Equipment Vendor

Please attach your completed interconnection agreement including Exhibit B.

https://fs30.formsite.com/jan1947/files/f-5-99-6497207_dObHvYzw_donaldsmith_coc.pdf

The project described in this application will meet the metering requirements of PUC 2506 including:

Electricity generation in megawatt hours shall be reported to the GIS quarterly with a statement that the submission is accurate by the owner of the source, the independent monitor or a designated representative.

A revenue quality meter is used to measure the electricity generated.

The facility owner has certified to the independent monitor that the meter operates according to manufacturing standards.

The meter shall be maintained according to the manufacturer's recommendations.

The project is installed and operating in conformance with applicable building codes.

A copy of the facility's interconnection agreement is attached.

Please attach additional document here

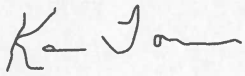
https://fs30.formsite.com/jan1947/files/f-5-168-6497207_9G2bkZMZ_Smith_New_Hampshire_Owner_

Please attach additional document here

https://fs30.formsite.com/jan1947/files/f-5-173-6497207_wdCWLOp2_donaldsmith_spia_pg_2.pdf

Aggregator statement of accuracy

Sign your name using a mouse or, if you are using a touch-screen device, a stylus or other pointer.



Print Name

Karen Tonnesen

Date Signed

04/06/2016

→ Eversource

Interconnection Standards For Inverters Sized Up To 100 kVA

Exhibit B - Certificate of Completion for Simplified Process Interconnections

Installation Information: ☐ Check if owner-installed

Customer or Company Name (print): SKIP SMITH

Contact Person, if Company: _____

Mailing Address: 5 SNOW St

City: ROCHESTER

Telephone (Daytime): 207-809 6980

Facsimile Number: _____

Facility Information: → Eversource Meter # D99467162

Address of Facility (if different from above): _____

City: _____ State: _____ Zip Code: _____

X **Electrical Contractor Contact Information:**

Electrical Contractor's Name (if appropriate): Mike McKay

Mailing Address: 161 West Road

City: Canterbury State: NH Zip Code: 03224

Telephone (Daytime): 603 892 4060 (Evening): 603 892 4060

Facsimile Number: _____ E-Mail Address: mjmckay@comcast.net

License number: 9214M

Date of approval to install Facility granted by the Company: _____

Eversource Application ID number: 2N

Inspection:

The system has been installed and inspected in compliance with the local Building/Electrical Code of:

City: Rochester County: Strafford

Signed (Local Electrical Wiring Inspector, or attach signed electrical inspection):

Signature: James Grant

X Name (printed): James Grant Date: 11/16/15

Customer Certification:

I hereby certify that, to the best of my knowledge, all information contained in this Exhibit B – Certification of Completion is true and correct. This system has been installed and shall be operated in compliance with applicable standards. Also, the initial start-up test required by Puc. 905.04 has been successfully completed.

Please remember to provide digital photos of the installation, including the AC disconnect switch (if required), the existing Eversource meter, the inverters, and the point of electrical interconnection.

X Customer Signature: _____

As a condition of interconnection you are required to send/fax a copy of this form to:

Eversource
Distributed Generation
780 North Commercial Street
P. O. Box 330, Manchester, NH 03105-0330
Fax No.: (603) 634-2924

New Hampshire PUC REC Certification Application Owner Statements

The information provided on this application for New Hampshire Renewable Energy Certificate eligibility is accurate to the best of my knowledge and I authorize Knollwood Energy to act on my behalf in filing said application.

The project described in this application will meet the metering requirements of PUC 2506 including:

Electricity generation in megawatt hours shall be reported to the GIS quarterly with a statement that the submission is accurate by the owner of the source, the independent monitor, or a designated representative.

A revenue quality meter is used to measure the electricity generated.

The facility owner has certified to the independent monitor that the meter operates according to manufacturing standards.

The meter shall be maintained according to the manufacturer's recommendations.

The project is installed and operating in conformance with applicable building codes.

A copy of the facility's interconnection agreement is attached.

Donald & Linda Smith

Printed Name of signature owner

Donald Smith / Linda Smith

Donald Smith/Linda Smith (Dec 20, 2015)

Signature of system owner

EVERSOURCE
INTERCONNECTION STANDARDS FOR INVERTERS
SIZED UP TO 100 KVA

Simplified Process Interconnection Application and Service Agreement

Facility Machine Information:

Generator/ SOLAR WORLD Model Name & SW 285M-silver
Inverter Manufacturer: Solar Edge Number: SE7600A-US Quantity: 1
Nameplate Rating: 7.600 (kW)_____ (kVA)_____(AC Volts) Phase: Single ☐ Three ☐

Nameplate Rating: The AC Nameplate rating of the individual inverter.

System Design Capacity: ~~7.600 (kW)~~ 8.35 (kVA) Battery Backup: Yes ☐ No ☑

System Design Capacity: The system total of the inverter AC ratings. If there are multiple inverters installed in the system, this is the sum of the AC nameplate ratings of all inverters.

Net Metering: If Renewably Fueled, will the account be Net Metered? Yes ☑ No ☐

Prime Mover: Photovoltaic ☑ Reciprocating Engine ☐ Fuel Cell ☐ Turbine ☐ Other_____

Energy Source: Solar ☑ Wind ☐ Hydro ☐ Diesel ☐ Natural Gas ☐ Fuel Oil ☐ Other_____

Inverter-based Generating Facilities:

UL 1741/IEEE 1547.1 Compliant **(Refer To Part Puc 906 Compliance Path For Inverter Units, Part Puc 906.01 Inverter Requirements)**
Yes ☑ No ☐

The standard UL 1741.1 dated May. 2007 or later, "Inverters, Converters, and Controllers for Use With Independent Power Systems," addresses the electrical interconnection design of various forms of generating equipment. Many manufacturers choose to submit their equipment to a Nationally Recognized Testing Laboratory (NRTL) that verifies compliance with UL 1741.1. This term "Listed" is then marked on the equipment and supporting documentation. ***Please include, any documentation provided by the inverter manufacturer describing the inverter's UL 1741/IEEE 1547.1 listing.***

External Manual Disconnect Switch:

An External Manual Disconnect Switch shall be **installed in accordance with 'Part Puc 905 Technical Requirements For Interconnections For Facilities, Puc 905.01 Requirements For Disconnect Switches and 905.02 Disconnect Switch.'**
Yes ☑ No ☐

Location of External Manual Disconnect Switch: Next to the eversource meter

Project Estimated Install Date: LATE August Project Estimated In-Service Date: Mid September

Interconnecting Customer Signature:

I hereby certify that, to the best of my knowledge, all of the information provided in this application is true and I agree to the **Terms and Conditions for Simplified Process Interconnections** attached hereto:

Customer Signature: _____ Title: OWNER Date: 8/19/15

Please include a one-line and/or three-line diagram of proposed installation. Diagram must indicate the generator connection point in relation to the customer service panel and the Eversource meter socket. Applications without such a diagram may be returned.

For Eversource Use Only

Approval to Install Facility:

Installation of the Facility is approved contingent upon the Terms and Conditions For Simplified Process Interconnections of this Agreement, and agreement to any system modifications, if required.

Are system modifications required? Yes ☐ No ☑ To be Determined ☐

Company Signature: _____ Title: Associate Engineer Date: 8/26/15